Department of Environmental Quality, Waste and Hazardous Materials Division

SMALL QUANTITY GENERATOR TANK SYSTEM INSPECTION FORM

Facility's Name_____ Part 3 Rules

Date_____ ID#_____ 1994 PA 451

____ abbreviated

FACILITY COMPLIANCE REQUIRED IN ALL AREAS

NI – Not Inspected, N/A – Not Applicable

TANKS (Rule 306: 40 CFR 262.34(d)(3))		**YES NO**
1. Has more than 180 (270) days elapsed since the tank was emptied? (If yes, operating license needed as required in Part 5 of rules). (Rule 306(4) & (6): 40 CFR 262.34(a))	GSQ	___ [ ] **NI N/A**
2. Quantity of waste exceed 6000 kg? (Rule 306(4)(a): 40 CFR 252.34(d)(1)) (If yes, operating license is required.)	GSQ	___ [ ] **NI N/A**
UNLESS		
3. Did the facility file for & receive an extension for 30 days? (Rule 306(6): 40 CFR 252.34(f))	GSQ	[ ] ___ **NI N/A**
NOTE: *Rule 306(4)(b)(ii) & 40 CFR 262.34(d)(3) refers to 40 CFR 265.201*		
4. Take precautions to prevent reactions which generate extreme heat, fire, gases, damage the facility or other like means that threaten human health & environment? (265.17(b): 40 CFR 265.201(b)(1)) refers to 265.17(b)	GSQ	[ ] ___ **NI N/A**
5. Is waste placed in a tank that could cause the tank or liner to rupture, leak or corrode? (265.201(b)(2))	GSQ	___ [ ] **NI N/A**
6. Did uncovered tanks have 2 feet of freeboard, unless: (265.201(b)(3))	GSQ	[ ] ___ **NI N/A**
a) equipped with containment structure?	GSQ	[ ] ___ **NI N/A**
b) equipped with a drainage or diversion system?	GSQ	[ ] ___ **NI N/A**
7. If waste is continuously fed is there a feed cut-off or by-pass system? (265.201(b)(4))	GSQ	[ ] ___ **NI N/A**
8. Where present, has the facility inspected at least once each operating day? (265.201)(c))	GSQ	[ ] ___ **NI N/A**
a) discharge control waste feed cut-off & by-pass drainage equipment (daily). (265.201(c)(1))	GSQ	[ ] ___ **NI N/A**
b) monitoring equipment data (daily). (265.201(c)(2))	GSQ	[ ] ___ **NI N/A**
c) level in the tank. (265.201(c)(3))	GSQ	[ ] ___ **NI N/A**
d) construction material of tank for corrosion or leaks (weekly). (265.201(c)(4))	GSQ	[ ] ___ **NI N/A**
e) material and area around tank (weekly). (265..201(a)(5))	GSQ	[ ] ___ **NI N/A**
9. If the tank system was closed did the facility remove all hazardous waste from: (265.201(d))		
a) the tanks?	GSQ	[ ] ___ **NI N/A**
b) discharge control equipment?	GSQ	[ ] ___ **NI N/A**
c) discharge confinement structures?	GSQ	[ ] ___ **NI N/A**
10. Ignitable or reactive waste must not be placed in tanks unless:		
a) treated/mixed before or immediately after being placed in tank so resulting mixture is no longer ignitable/reactive. (265.201(e)(1)(i)	GSQ	[ ] ___ **NI N/A**
OR		
b) waste stored/treated so protected from igniting or reacting. (265.201(e)(1)(ii))	GSQ	[ ] ___ **NI N/A**
c) tank system is used solely for emergency. (265.201(e)(1)(iii))	GSQ	[ ] ___ **NI N/A**
11. Has owner or operator observed National Fire Protection Assoc.'s buffer zone requirements for tanks containing ignitable or reactive wastes? (265.201(e)(2)) (See tables 2-1 thru 2-6 of NFPA's "Flammable & Combustible Liquids Code 1977" to determine compliance).	GSQ	[ ] ___ **NI N/A**
12. Are incompatible wastes stored in separate tanks? (265.201(f)(1)) (If not, provisions of 265.17(b) apply).	GSQ	[ ] ___ **NI N/A**
13. Is tank decontaminated before hazardous waste placed in tank that previously held incompatible waste? (265.201(f)(2)	GSQ	[ ] ___ **NI N/A**

NOTE: *If quantity of waste in tanks exceeds 1000 kgs. The facility must comply with 265.191, 265.192, 265.193 & 265.196. Rule 306(4)(b)(ii).*
NOTE: *40 CFR 265.196 refers to facility response to leaks or spills and disposition of leaking or unfit for use tank systems.*

ASSESSMENT OF EXISTING TANK SYSTEM'S INTEGRITY (265.191)		YES NO
14. If existing tank system (before 7/14/86) does not meet the secondary containment requirements in 265.193 was an assessment made & certified by an independent engineer? (265.191))	GSQ	[ ] ___ NI N/A

CONTAINMENT AND DETECTION OF RELEASES (265.193)		
15. Until an existing tank is upgraded to meet the secondary containment requirements in 265.193, has the facility:		
a) performed leak testing annually for non-enterable underground tanks, that meets the requirements of 265.191(b)(5)? (265.193(i)(1))	GSQ	[ ] ___ NI N/A
b) for other than non-enterable underground tanks & ancillary equipment did the facility:		
i) conduct an annual leak test that meets the requirements of 265.191(b)(5)? (265.193(ii)(2))	GSQ	[ ] ___ NI N/A
OR		
ii) Conduct an internal inspection or other tank integrity examination by an independent qualified, registered professional engineer (265.193)(i)(2))	GSQ	[ ] ___ NI N/A
16. Secondary containment & detection that meets requirements must be provided for:		
a) new tank systems prior to being put into service (any tank installed after 7-14-86). (265.193(a)(1))	GSQ	___ ___ NI N/A
b) existing tanks used for F020, F021, F022, F023, F026, F027 prior to 1/12/90. (265.193(a)(2))	GSQ	___ ___ NI N/A
c) existing tanks w/ documented age before 1/12/89 or tanks 15 years of age, whichever is later. (265.193(a)(3))	GSQ	___ ___ NI N/A
d) existing tank system w/out documented age, upgrades done by 1/12/95 unless facility is greater than 7 years in 1988, then containment provided before facility reaches 15 years, or by 1/12/89, which is later. (265.193(a)(4))	GSQ	___ ___ NI N/A
e) waste which became a hazardous waste after 1/12/87. (265.193(a)(5)).	GSQ	___ ___ NI N/A

NEW TANK SYSTEMS AND UPGRADED EXISTING TANK SYSTEMS		
17. Secondary containment & detection systems must have the following: (265.193(c))		
a) tank system constructed of compatible material with sufficient strength. (265.193(c)(1))	GSQ	[ ] ___ NI N/A
b) adequate foundation or base. (265.193(c)(2))	GSQ	[ ] ___ NI N/A
c) leak detection system designed/operated to detect leaks w/in 24 hours or earliest practical time. (265.193(c)(3))	GSQ	[ ] ___ NI N/A
d) sloped/drained & all liquid (leaks, precipitation) removed w/in 24 hours or in a timely manner. (265.193(c)(4))	GSQ	[ ] ___ NI N/A
e) must include one or more of the following:		
i) a liner (external tanks) and must satisfy the following requirements: (265.193(d)(1))	GSQ	[ ] ___ NI N/A
A) 100% capacity of largest tank within its boundary. (265.193(e)(1)9(ii))	GSQ	[ ] ___ NI N/A
B) prevent run-on or infiltration of precipitation unless excess of capacity. (265.193(e)(1)(ii))	GSQ	[ ] ___ NI N/A
C) free of cracks or gaps. (265.193(e)(1)(iii))	GSQ	[ ] ___ NI N/A
D) cover any area waste may come in contact with if released. (265.193(e)(1)(iv))	GSQ	[ ] ___ NI N/A

Note: *If liner is cement then must be, in addition: (265.193(3)(2)(iii & iv))*

CEMENT LINERS ONLY		
E) constructed with chemical resistant water stops in place at all joints. (265.193(e)(2)(iii))	GSQ	[ ] ___ NI N/A
F) impermeable, compatible interior lining or coating. (265.193)(e)(2)(iv))	GSQ	[ ] ___ NI N/A
ii) vault systems must satisfy the following requirements:		
A) 100% capacity of the largest tank within its boundary. (265.193(e)(2)(i))	GSQ	[ ] ___ NI N/A
B) prevent run-on or infiltration of precipitation unless excess of capacity. (265.193(e)(2)(ii))	GSQ	[ ] ___ NI N/A
C) constructed with chemical resistant water stops in place at all joints. (265.193(e)(2)(iii))	GSQ	[ ] ___ NI N/A
D) impermeable, compatible interior lining or coating. (265.193(e)(2)(iv))	GSQ	[ ] ___ NI N/A
E) if ignitable or reactive, then provide against vapor formation and ignition. (265.193(e)(2)(v))	GSQ	[ ] ___ NI N/A
F) provide with exterior moisture barrier. (265.193(e)(2)(vi))	GSQ	[ ] ___ NI N/A

		YES NO
iii) double wall tanks must satisfy the following requirements:		
A) designed as integral structure. (265.193(e)(3)(i))	GSQ	[ ] ___ NI N/A
B) protect metal surface for corrosion. (265.193(e)(3)(ii))	GSQ	[ ] ___ NI N/A
C) capable of detecting releases within 24 hours. (265.193(e)(3)(iii))	GSQ	[ ] ___ NI N/A
f) ancillary equipment (note certain exclusions) must be provided with full secondary containment. (265.193(f))	GSQ	[ ] ___ NI N/A

NEW TANK SYSTEMS

DESIGN & INSTALLATION OF NEW TANK SYSTEMS OR COMPONENTS (265.192)

18. Facility obtain written assessment that was reviewed & certified by an independent, qualified, reg. professional engineer?		
a) design standards & considerations? (265.192(a)(1)&(5))	GSQ	[ ] ___ NI N/A
b) hazard characteristics of the waste(s) to be handled? (265.192(a)(2))	GSQ	[ ] ___ NI N/A
c) determination by a corrosion expert, if needed (ext. shell of metal tank or ext. metal part in contact with soil or water)? (265.192(a)(3))	GSQ	[ ] ___ NI N/A
d) if needed, design considerations for UST systems affected by vehicular traffic? (265.192(a)(4))	GSQ	[ ] ___ NI N/A
e) tank systems & components installed properly & inspected by independent engineer? (265.192(b))	GSQ	[ ] ___ NI N/A

Comments: